

Form PTO-1449 (Modified)

Atty. Docket No.  
29915/6280MSerial No.  
09/869,414

## INFORMATION DISCLOSURE STATEMENT

Applicant(s)  
Gurney, et al.Filing Date  
June 27, 2001Art Unit  
1647

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## U.S. PATENT DOCUMENTS

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Examiner Initials	Document Number	Issue or Publication Date	Name	Class	Subclass	Filing Date (If Appropriate)
				RECEIVED		
CS	09/416,901	_____	Gurney, et al.	_____	_____	10/13/1999
	09/548,373	_____	Gurney, et al.	_____	_____	04/12/2000
	09/548,368	_____	Gurney, et al.	_____	_____	04/12/2000
	09/548,370	_____	Gurney, et al.	_____	_____	04/12/2000
	09/548,365	_____	Gurney, et al.	_____	_____	04/12/2000
	09/548,376	_____	Gurney, et al.	_____	_____	04/12/2000
	09/548,369	_____	Gurney, et al.	_____	_____	04/12/2000
	09/548,366	_____	Gurney, et al.	_____	_____	04/12/2000
	09/794,743	_____	Gurney, et al.	_____	_____	02/27/2001
	09/795,847	_____	Gurney, et al.	_____	_____	02/28/2001
	09/794,927	_____	Gurney, et al.	_____	_____	02/27/2001
	09/794,925	_____	Gurney, et al.	_____	_____	02/27/2001
	09/794,748	_____	Gurney, et al.	_____	_____	02/27/2001
CS	09/806,194	_____	Gurney, et al.	_____	_____	03/23/2001

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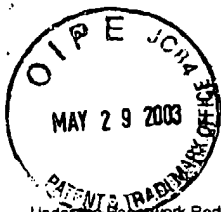
Examiner Initials	Document Number	Publication Date	Country	Translation	
				Yes	No

## OTHER DOCUMENTS


EXAMINER:

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Substitute for form 1449A/PTO		<b>Complete if Known</b>			
		Application Number	09/869,414		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	June 27, 2001		
		First Named Inventor	Mark Gurney		
		Art Unit	1647		
		Examiner Name	C. <del>Nichols</del> NICHOLS		
Sheet	1	of	4	Attorney Docket Number	29915/6280M

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code* (if known)			
CJN	A1	5,424,205	6/13/95	Dovey et al.	
	A2	5,593,846	1/14/97	Schenk et al.	
	A3	5,733,768	3/31/98	Dixon et al.	
	A4	5,744,346	4/28/98	Chrysler et al.	
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	A6	5,766,846	6/16/98	Schlossmacher et al.	
	A7	5,837,672	11/17/98	Schenk et al.	
	A8	5,849,560	12/15/98	Abraham	
	A9	5,942,400	8/24/99	Anderson et al.	
	A10	6,025,180	2/15/00	Powell et al.	
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	A16	6,245,884	6/12/01	Hook	
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	A19	60/168,060		Lin et al.	
	A20	60/178,368		Lin et al.	
	A21	60/210,292		Hong et al.	
	A22	00/277,229		Citron et al.	
	A23	6,313,268		Hook	
	A24	60/177,936		Lin et al.	
	A25	60/119,571		Basi et al.	
	A26	00/130,172		Anderson et al.	
	A27	60/114,408		Basi et al.	
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	A33	00/723,722		Anderson et al.	
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	A35	00/723,730		Anderson et al.	
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				Application Number	09/869,414	
				Filing Date	June 27, 2001	
				First Named Inventor	Mark Gurney	
				Art Unit	1647	
Examiner Name	C. Nicholas NKHOLS					
Attorney Docket Number	29915/6280M					
Sheet	2	of	4			

<del>CD</del>	A37	09/724,568		Anderson et al.	
	<del>A38</del>	<del>09/724,569</del>		<del>Anderson et al.</del>	
	A39	6,319,689		Powell et al.	
	A40	6,162,630	12/19/00	Powell et al.	
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	A42	6,358,725	3/19/02	Christie et al.	
	A43	6,361,975	3/26/02	Christie et al.	
↓	A44	6,291,223	9/18/01	Christie et al.	
<del>CD</del>	A45	6,545,127	4/08/03	Tang et al.	

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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To
		Country Code* - Number* - Kind Code* (if known)				
<del>CD</del>	B1	WO 96/31122	10/10/96	Dixon et al.		
	B2	WO 96/40885	12/19/96	Chrysler et al.		
	B3	WO 98/13488	4/2/98	Dyrks et al.		
	B4	WO 98/21589	5/22/98	Virginia Lee		
	B5	EP 0848 062 A2	6/17/98	David J. Powell		
	B6	WO 98/26059	6/18/98	Chrysler et al.		
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	B8	WO 99/34004	8/7/99	Klaus et al.		
	B9	WO 99/31236	6/24/99	Bougueleret et al.		
	B10	WO 99/46281	9/16/99	Wood et al.		
	B11	WO 99/64587	12/16/99	Rholam et al.		
	B12	WO 00/23576	4/27/00	Hook		
	B13	WO 00/47618	8/17/00	Anderson et al.		
	B14	WO 00/58479	10/5/00	Citron et al.		
	B15	WO 00/56871	9/28/00	Postina		
	B16	WO 00/68266	11/16/00	Becker et al.		
	B17	WO 00/69262	11/23/00	Zhong et al.		
	B18	WO 01/00663	1/4/01	Tang et al.		
	B19	WO 01/00665	1/4/01	Tang et al.		
	B20	WO 01/29563	4/26/01	Christie et al.		
	B21	WO 01/31054	5/3/01	Christie et al.		
↓	B22	WO 01/36600	5/25/01	Zhu et al.		
<del>CD</del>	B23	WO 01/38487	5/31/01	Zhu et al.		
Examiner Signature	gcliee			Date Considered	6/29/03	



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Substitute for form 1449A/PTO		<b>Complete if Known</b>	
		Application Number	09/869,414
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	June 27, 2001
		First Named Inventor	Mark Gurney
		Art Unit	1647
		Examiner Name	C. <del>Nichols</del> NICHOLS
		Attorney Docket Number	29915/6280M
Sheet	3	of	4

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
EGO	C1	CHYUNG et al. Novel $\beta$ -Secretase Cleavage of $\beta$ -Amyloid Precursor Protein in the Endoplasmic Reticulum/Intermediate Compartment of NT2N Cells, <i>Journal of Cell Biology</i> , 138: 671-680 (August 11, 1997).	
	C2	EVIN et al., Alzheimer's disease amyloid precursor protein (A $\beta$ PP): proteolytic processing, secretases and A $\beta$ 4 amyloid production, <i>Amyloid; Int. J. Exp. Clin. Invest.</i> 1: 263-280 (September 8, 1994).	
	C3	HAASS et al., Amyloid $\beta$ -peptide is Produced by Cultured Cells During Normal Metabolism, <i>Nature</i> , 359: 322-325 (September 24, 1992).	
	C4	HAASS et al., $\beta$ -Amyloid Peptide and 3-kDa Fragment are Derived by Distinct Cellular Mechanisms, <i>Journal of Biochemistry</i> , 268: 3021-3024 (February 15, 1993).	
	C5	HAASS et al., The Swedish Mutation Causes Early-Onset Alzheimer's Disease by $\beta$ - Secretase Cleavage Within the Secretory Pathway, <i>Nature Medicine</i> , 12: 1291-1296 (December 1995).	
	C6	HIROSAWA et al., Characterization of cDNA Clones Selected by the GeneMark Analysis from Size-Fractionated cDNA Libraries From Human Brain, <i>DNA Res.</i> , 6(5): 329-336 (October 29, 1999).	
	C7	HUSSAIN et al., Identification of a Novel Aspartic Protease (Asp 2) as $\beta$ -Secretase, <i>Molecular and Cellular Neuroscience</i> , 14: 419-427 (1999).	
	C8	KANG et al., The Precursor of Alzheimer's Disease Amyloid A4 Protein Resembles a Cell-Surface Receptor, <i>Nature</i> , 325: 733-736 (February 19, 1987).	
	C9	KITAGUCHI et al., Novel Precursor of Alzheimer's Disease Amyloid Protein Shows Protease Inhibitory Activity, <i>Nature</i> , 331: 530-532 (February 11, 1988).	
	C10	KNOPS et al., Cell-type and Amyloid Precursor Protein-type Specific Inhibition of A $\beta$ Release by Bafilomycin A1, a Selective Inhibitor of Vacuolar ATPases, <i>Journal of Biological Chemistry</i> , 270: 2419-2422 (February 10, 1995).	
	C11	KOO and SQUAZZO Evidence that Production and Release of Amyloid $\beta$ -Protein Involves the Endocytic Pathway, <i>Journal of Biological Chemistry</i> , 269: 17386-17389 (July 1, 1994).	
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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
		Application Number	09/088,314 <b>CA1269414</b>
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Filing Date	September 22, 2000 <b>27 June 2001</b>
		First Named Inventor	Mark Gurney
		Group Art Unit	1647
		Examiner Name	<del>Sharon Turner</del> <b>NICHOLS</b>
		Attorney Docket Number	28341/6280NCP
Sheet	4	of	4

<input checked="" type="checkbox"/>	C13	SEUBERT et al. Secretion of $\beta$ -amyloid Precursor Protein Cleaved at the Amino Terminus of the $\beta$ -amyloid Peptide, <i>Nature</i> , 361: 260-263 (January 21, 1993).	
<input type="checkbox"/>	C14	SINHA et al., Purification and Cloning of Amyloid Precursor Protein $\beta$ -Secretase from Human Brain, <i>Nature</i> , 402: 537-540 (December, 2 1999).	
<input type="checkbox"/>	C15	SZECSEI, The Aspartic Proteases, <i>Scand. J. Clin. Lab. Invest.</i> , 52 (suppl. 210): 5-22 (1992).	
<input type="checkbox"/>	C16	TANZI et al., Protease Inhibitor Domain Encoded by an Amyloid Protein Precursor mRNA Associated with Alzheimer's Disease, <i>Nature</i> , 331: 528-530 (February 11, 1988).	
<input type="checkbox"/>	C17	VASSER et al., $\beta$ -secretase Cleavage of Alzheimer's Amyloid Precursor Protein by the Transmembrane Aspartic Protease BACE, <i>Science</i> , 286 (5440): 735-41 (October 22, 1999).	
<input type="checkbox"/>	C18	YAN et al., Membrane-anchored Aspartyl Protease with Alzheimer's Disease $\beta$ -Secretase Activity, <i>Nature</i> , 402: 533-537 (December 2, 1999).	
<input type="checkbox"/>	C19	ZHAO et al., $\beta$ -Secretase Processing of the $\beta$ -Amyloid Precursor Protein in Transgenic Mice Is Efficient in Neurons but Inefficient in Astrocytes, <i>Journal of Biological Chemistry</i> , 271: 31407-31411 (December 6, 1996).	
<input type="checkbox"/>	<del>G20</del>	<del>PGT Search report for PCT/US 99/20881</del>	
<input checked="" type="checkbox"/>	C21	MULLAN et al., A Pathogenic Mutation for Probable Alzheimer's Disease in the APP Gene at the N-Terminus of $\beta$ -Amyloid, <i>Nature Genetics</i> 1: 345-347, (August 1992).	
<input checked="" type="checkbox"/>	C22	Elan and Pharmacia form Alzheimer's disease research collaboration in the area of Beta-Secretase, News 08/09/2000, <a href="http://www.elanecorp.com">www.elanecorp.com</a> .	

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Examiner Signature		Date Considered	6/29/03
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.